

1998 CALIFORNIA TRANSPORTATION PLAN

OVERVIEW

John Barna

Deputy Secretary

***Business, Transportation
& Housing Agency***

Project Goals

- ❑ Improve transportation investment decisions by developing objective measures of system performance.
- ❑ Establish a strategic understanding and response to goods movement transportation issues.

State Plan Background

- ❑ Implementation update of the 1993 CTP.
- ❑ Two focus actions:
 - ❑ *System performance measures.*
 - ❑ *Statewide goods movement strategy.*

1993 Plan Framework

- ❑ Three fundamental policies:
 - *Foster economic development,*
 - *Enhance transportation system safety, reliability and improvement; and*
 - *Protect the environment.*

1993 *PLAN FRAMEWORK* (Con't)

❑ Three critical recommendations:

- *Commission on transportation investment*
- *Statewide goods movement strategy*
- *State's role in non-highway modes of transportation*

Development Process

- ❑ Business Transportation & Housing Agency led effort.
- ❑ Three advisory committees:
 - *CTP Policy Advisory Committee*
 - *Statewide Intermodal Goods Movement Advisory Committee (SIGMAC)*
 - *Transportation Assessment Steering Committee (TASC)*

Desired Outcomes

- ❑ Transportation investment decisions based on improved understanding of system performance.
- ❑ Improved goods movement mobility and access, through transportation system improvements and operational changes.

Remaining Steps

- ❑ Public review and comment through may 12.
- ❑ Three CTP public review forums.
- ❑ Document revision - through may.
- ❑ Final PAC meeting - June 9, 1998.
- ❑ Delivery to the governor- June 30.

“Comment” Means

- ❑ Oral comment at forums
- ❑ Written comments by e-mail to Caltrans at “ctp98.Trmx3.Dot. Ca.Gov”
- ❑ Written comments by mail to Caltrans at:

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1998 CALIFORNIA TRANSPORTATION PLAN

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Statewide Goods Movement Strategy

Discussion Draft

March 1998

Purpose

The Statewide Goods Movement Strategy is a strategic policy and action blueprint for improving the goods movement transportation system.

Goals

- ❑ Improve multi-modal access and mobility for goods.
- ❑ Manage the transportation system based on system performance and customer expectations.

Objectives

- ❑ Reduce nonrecurrent delay
- ❑ Reduce recurrent delay
- ❑ Reduce system maintenance backlogs

Objectives (Continued)

- ❑ Reduce border delays
- ❑ Improve intermodal access and connections
- ❑ Reduce regulatory costs

Objectives (Continued)

- ❑ Develop improved analysis tools and information
- ❑ Expand and strengthen partnerships

Strategic Policies

- ❑ Goods movement must be given full and appropriate consideration in the planning, design, development, operation, maintenance, and funding of the State's transportation system.

Strategic Policies (Continued)

- ❑ Statewide system investments should be focused on the highest volume interregional corridors and facilities.

Strategic Policies (continued)

- ❑ The State recognizes that the other elements of the goods movement system must also be maintained.

Strategic Policies (continued)

- ❑ The State shall participate in the planning, developing, and funding of each modal component.

Strategic Policies (continued)

- ❑ The State shall pursue cost-effective new technology and operational strategies.

Actions Recommended

- ❑ 38 actions over seven categories are recommended.
- ❑ Most of the actions represent multiple specific projects or operational changes.

Action Examples

- ❑ Develop the State highway system - evaluate truck-only facilities
- ❑ Expand development of grade separations
- ❑ Improve terminal access

Action Examples (continued)

- ❑ Develop a goods movement project funding guidebook
- ❑ Streamline commercial vehicle registration

ACTION CATEGORIES/EXAMPLES

- ❑ Capacity constraints/network development
 - ❑ *Develop State highway system - prepare major investment studies*
 - ❑ *Expand border infrastructure*
- ❑ Design restrictions
 - ❑ *Identify design restrictions*

Action Categories/ Examples (continued)

- ❑ Operational improvements
 - ❑ Develop border operational improvements
- ❑ Safety and maintenance improvements
 - ❑ Expand highway safety monitoring and warning systems
- ❑ New technology development and implementation

Action Categories/Examples (continued)

- ❑ Funding and programming enhancement and planning needs
 - ❑ *Develop goods movement project funding guidebook*
 - ❑ *Develop goods movement local accommodation and impacts guide*

Action Categories/Examples (continued)

- ❑ Policy, regulatory and institutional improvements
 - ❑ Streamline commercial vehicle registration process

Who, When, Where?

- ❑ Implementation is to occur over two to 10 years, involving:
 - ❑ State - CTC, Caltrans, CHP, PUC
 - ❑ Regional - RTPAs/ MPOs/ County TC (regional freight advisory councils)
 - ❑ Local - Airports, seaports; cities & counties
 - ❑ Private sector - Shippers, carriers, service providers



TRANSPORTATION SYSTEM PERFORMANCE MEASURES

DISCUSSION DRAFT

March 1998

Purpose

- ❑ To develop indicators/measures to assess the performance of California's multi-modal transportation system to support informed transportation decisions by public officials, operators, service providers, and system users.
- ❑ To establish a coordinated and cooperative process for consistent performance measurement throughout California.

Goals

- ❑ *Understand the role the transportation system plays in society*
- ❑ *Focus on outcomes at the system level rather than projects and process (performance in the eye of customer)*
- ❑ *Build transportation system relationships (partnerships) with clearly defined roles, adequate communication channels, and accountability at all levels*
- ❑ *Better illuminate and integrate transportation system impacts of non-transportation decisions*

Goals

- *Understand the role the transportation system plays in society*

Goals

- *Focus on performance in the eye of the customer*

Goals

- ❑ *Clearly defined roles and accountability at all levels*

Goals

- ❑ *Illuminate and integrate transportation system impacts of non-transportation decisions*

Module Workplan

- ❑ Review existing performance measurement efforts
- ❑ Identify transportation system outcomes
- ❑ Develop indicators/measures which correlate to the outcomes
- ❑ Develop an implementation scheme
- ❑ Do it!!!!

Outcomes

- ❑ Mobility/ accessibility
- ❑ Reliability
- ❑ Cost-effective
- ❑ Sustainability
- ❑ Environmental Quality
- ❑ Safety & Security
- ❑ Equity
- ❑ Customer Satisfaction
- ❑ Economic Well-being

Outcomes

- ❑ **Mobility/ Accessibility** -- Reaching desired destinations with relative ease within a reasonable time, at a reasonable cost with reasonable choices.

Outcomes

- ❑ **Reliability** -- Providing reasonable and dependable levels of service by mode.

Outcomes

- ❑ **Cost-effective** -- Maximizing the current and future benefits from public and private transportation investments.

Outcomes

- ❑ **Sustainability** -- Preserving the transportation system while meeting the needs of the present without compromising the ability of future generations to meet their own needs

Outcomes

- ❑ **Environmental Quality** -- Helping to maintain and enhance the quality of the natural and human environment.

OUTCOMES

- ❑ **SAFETY & SECURITY** --
Minimizing the risk of death,
injury, or property loss.

OUTCOMES

- ❑ **EQUITY**-- Distributing benefits and burdens fairly.

Outcomes

- ❑ Customer Satisfaction -- Providing transportation choices that are convenient, affordable and comfortable.

Outcomes

- ❑ Economic Well-being -
Contributing to economic
growth

Outcomes & Indicators

Mobility/Accessibility

- *Travel time*
- *Delay*
- *Access to locations*
- *Access to system*

Reliability

- *Variability of travel time*

Customer Satisfaction

- *Customer survey*

Outcomes & Indicators

Cost-Effectiveness

- *Benefit/Cost Ratio*
- *Outcome Benefit Per Cost*

Sustainability

- *Household Transportation Costs*

Economic Well-Being

- *Final Demand (Value Transportation to Economy)*

Outcomes & Indicators

Environmental Quality

- National & State standards

Safety & Security

- Accident & crime rates

Equity

- Benefits per income group

Overview

System Performance Outcomes

- Mobility and accessibility
- Reliability
- Cost effectiveness
- Economic well-being
- Sustainability
- Environmental quality
- Safety and security
- Equity
- Customer satisfaction

Estimated by...

Measured by...

Performance Indicators

- Delay (lost time)
- Travel time
- Variation in travel time
- Benefit cost ratio
- Accident rates
- Household transportation costs
- Passenger survey-based customer satisfaction index

Calculated using...

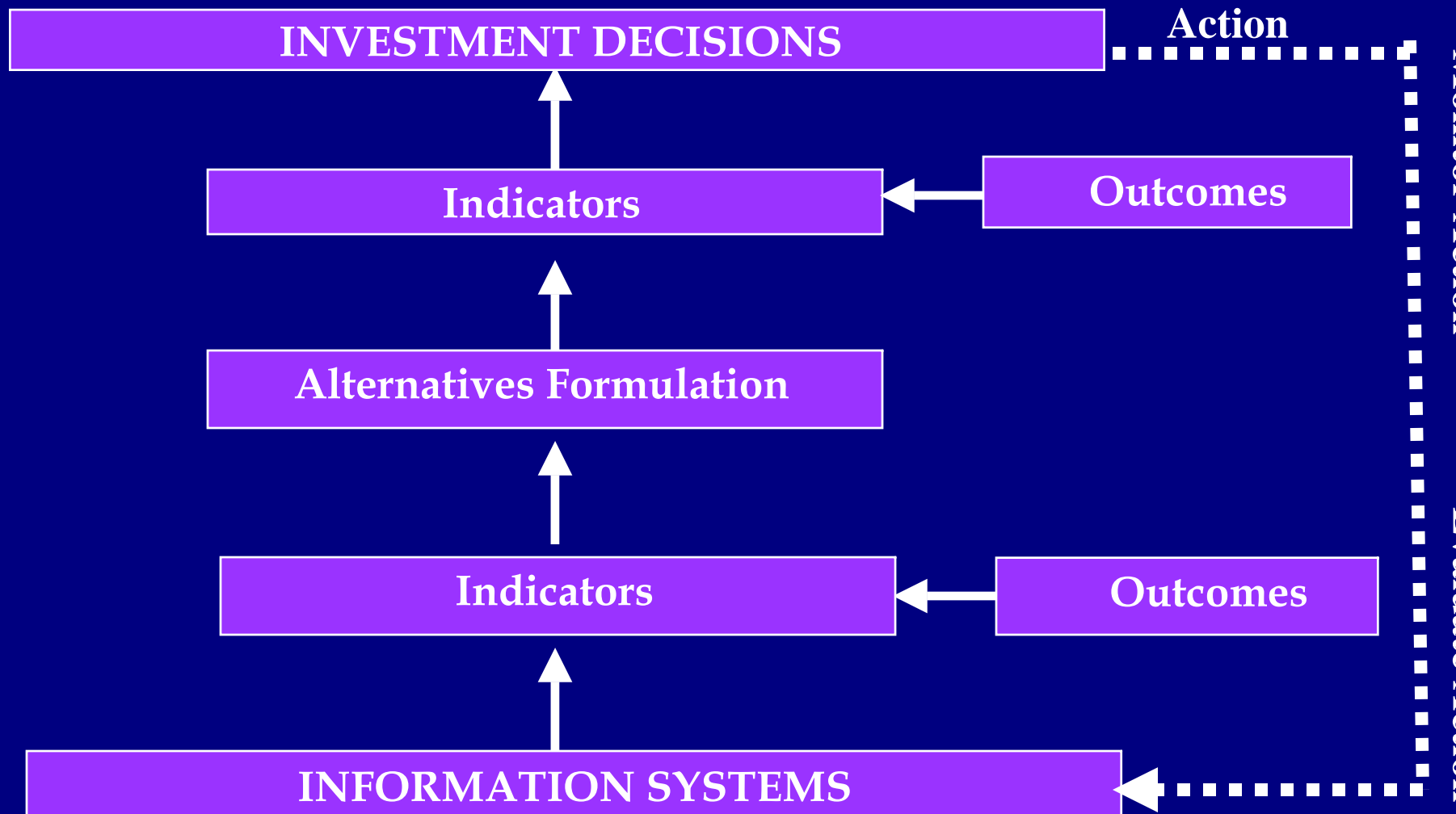
Transportation Outputs

- Number of lanes
- Lane capacity
- On-time transit performance
- Fares
- Mode split
- Vehicle miles traveled
- Average speed
- Speed variation
- Average vehicle occupancy
- Incidents
- Accidents

The Process

PLANNING

MONITORING



How Does Performance Measurement Fit?

